

Name _____ Date _____ Per. _____

Alg.1 CED.2 Finding the Slope of Perpendicular Lines

Use the table to show/prove what the slope of the perpendicular line will be.

①

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = -2x + 3$			

②

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = \frac{5}{2}x - 9$			

③

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = -\frac{7}{3}x + \frac{2}{3}$			

④

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = -x + 2$			

⑤

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = 23x - 2$			

⑥

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = \frac{1}{3}x - \frac{1}{3}$			

⑦

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = -5x + 4$			

⑧

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = -\frac{1}{7}x + 7$			

⑨

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = \frac{5}{8}x + 2$			

⑩

Given equation	M=	Perpendicular slope	(original slope) X(perpendicular slope)
$y = 6x - \frac{1}{2}$			